

Traffic Operations

APPROVED PRODUCTS LIST

TRAFFIC SIGNALS AND HIGHWAY LIGHTING EQUIPMENT

TRAFFIC SIGNALS AND HIGHWAY LIGHTING EQUIPMENT

I. GENERAL

This Approved Products List (APL) is based on equipment meeting department specifications and being tested for the specified test period with satisfactory performance. All models shall conform to the latest revision of the Missouri Standard Specifications for Highway Construction unless otherwise indicated. The models indicated on the list are approved, but are subject to final field inspection before acceptance.

The department frequently tests new products and equipment for traffic signals and highway lighting. These new products may be installed on a construction project, purchased on parts orders or with controller orders. Vendors may also submit items, at no cost to the department, for the test period. Only a limited number of units will be accepted for test statewide until an item is added to the Approved Products List. A vendor wishing to initiate a test on a new product shall submit a Product Evaluation Request Form - Signal and Lighting Equipment. Copies of this form can be obtained from our website at www.modot.state.mo.us or contact MoDOT Traffic Operations. Minor model changes do not require an evaluation period, although the vendor shall submit specification sheets and a sample of the product for the Department to inspect.

All equipment evaluations are coordinated through MoDOT Traffic Operations. The vendor supplying the equipment shall provide equipment specifications and a certification that the equipment meets department specifications before the test is performed. The equipment is tested for the period specified on the APL. Products that are not performing satisfactorily will be replaced with an approved product if the vendor cannot provide timely correction of the problem or if unsatisfactory operation of the intersection results.

If a vendor is proposing a product that does not meet department specifications, an explanation of why the product meets or exceeds the current specifications must be provided by the vendor in writing to Traffic Operations. If approved, the product may be tested for the specified period as described above. If the product is satisfactory, the Department will consider a revision to the applicable specifications. Products will not be added to the Approved Products List that do not meet department specifications.

Products on the APL shall continue to perform satisfactorily. In addition, the vendors shall support the products. Products not performing as required or not supported are subject to removal from the APL.

Grounds for removal of products include but are not limited to:

Significant change in product specifications or design without notification to the department.

Failure to correct or replace products that are defective in manufacturing or workmanship.

Repeated patterns of malfunctions of a product not adequately corrected by the vendor.

Unreasonable pricing of repair parts or repair work. Repair work not completed in a reasonable time frame.

Excessive delivery times for new purchases or replacement parts.

Changes in standard specifications may also necessitate removal of specific products from the APL. If this occurs, there will be a grace period where the product will be retained on the list after the specifications are changed. However the product will be removed from the list if it is not revised to meet specifications.

II. TRAFFIC SIGNAL EQUIPMENT

All traffic signal equipment requires a one-year evaluation period.

CONTROLLERS

NEMA CONTROLLERS	MODEL
Eagle	
PeekTraffic Control Technologies (TCT)	
NEMA ON-STREET MASTER CONTROLLER	MODEL
Eagle Econolite Econolite	KMC-10,000
SOLID STATE PRETIMED CONTROLLERS (ALL TYPES)	MODEL
EagleTraffic Control Technologies (TCT)	EPIC Series LMD 40 Series
170 CONTROLLERS	MODEL
Eagle	
McCain	
Safetran Signal Control	

CABINETS AND BACK PANELS (NEMA & S.S. PRETIMED)

NOTE: Cabinets and Back panels that meet MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide a model that meets specifications and complete a satisfactory one-year evaluation as described above to be added to the list.

NEMA CABINET AND BACK PANEL ASSEMBLIES

Control Technology Eagle Econolite Henke/Bison IDC/Gibbons

SOLID STATE PRETIMED CABINET AND BACK PANEL ASSEMBLIES

Eagle

CABINETS AND RACKS (TYPE 170 CONTROLLERS)

NOTE: Cabinets and Racks that meet MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide a model that meets specifications and complete a satisfactory one-year evaluation as described above to be added to the list.

332 AND 336S CABINET AND RACK ASSEMBLIES

McCain Safetran Signal Control

CONFLICT MONITORS

AUXILIARY TIME CLOCK

EXTERNAL T.B.C. COORDINATORS

NEMA CONFLICT MONITORS	MODEL
Eberle Design Incorporated (EDI)	
Eberle Design Incorporated (EDI)	
Eberle Design Incorporated (EDI)	
Naztec, Incorporated	
Peek/Transyt	1200
Perfect Distribution & Control (PDC)	CM82-03
Perfect Distribution & Control (PDC)	
Perfect Distribution & Control (PDC)	
Solid State Devices	
Traffic Control Technologies (TCT)	LNM Series
170 CONFLICT MONITORS	MODEL
Eberle Design Incorporated (EDI)	210E
Solid State Devices	210P
CABINET ACCESSORIES	

 Eltec
 NTC-17E

 Eltec
 TC-14

 RTC
 AP41

EltecTC-14

MODEL

MODEL

FLASHERS (170)	MODEL
Solid State Devices	
FLASHERS (NEMA)	MODEL
Eberle Design Incorporated (EDI)	.SSF-86
FLASH TRANSFER RELAYS	MODEL
AMECO Magnacraft Mid-Tex Perfect Distribution & Control (PDC)	.W21ACPXD-5 .136-62T-3A1
LOAD SWITCHES (170)	MODEL
Perfect Distribution & Control (PDC)	.200 200D 200 CUBE
LOAD SWITCHES (NEMA)	MODEL
Eberle Design Incorporated (EDI) Perfect Distribution & Control (PDC) Perfect Distribution & Control (PDC) Traffic Control Technologies (TCT)	SSS-86 SSS-88
ISOLATORS (170 only) (242=DC, 252=AC)	MODEL
Detector Systems Detector Systems GDI GDI Perfect Distribution & Control (PDC) Perfect Distribution & Control (PDC) Safetran Safetran	.252 .242 .252 .242 .252 .242
SURGE PROTECTORS	MODEL
Edco	.SHA 1210

	TONE RECEIVERS	MODEL
	Iniven	IR30M-05-30
	TONE TRANSMITTERS	MODEL
	Iniven	IT30
DE	ETECTORS	
	MICROWAVE DETECTORS	MODEL
	Microwave Sensors Electronic Integrated Systems, Inc. (EIS)	
	MICROLOOP, PROBE	MODEL
	3M	Canoga 701
	PEDESTRIAN PUSH BUTTONS	MODEL
	Pelco	
	POWER SUPPLY FOR CARD RACK DETECTORS - NEMA	MODEL
	TOTAL CONTENT OR OARD RACK BETEGICIO REMA	MODEL
	Datastar Customa	205
	Detector SystemsICC	
		PS24
	ICC	PS24
	PGK	PS24 PS-1.2 MODEL
	PGK	PS24 PS-1.2 MODEL 910
	PGK	PS24 PS-1.2 MODEL 910 LM301
	PGK	PS24 PS-1.2 MODEL 910 LM301 535B/MS
	ICC PGK SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD Detector Systems Eberle Design Incorporated (EDI) Sarasota SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY	PS24 PS-1.2 MODEL 910 LM301 535B/MS MODEL
	ICC PGK SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD Detector Systems. Eberle Design Incorporated (EDI). Sarasota.	PS24 PS-1.2 MODEL 910 LM301 535B/MS MODEL 913
	ICC. PGK. SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD Detector Systems Eberle Design Incorporated (EDI) Sarasota SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY Detector Systems	PS24 PS-1.2 MODEL 910 LM301 535B/MS MODEL 913 LM301T
	ICC PGK SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD Detector Systems Eberle Design Incorporated (EDI) Sarasota SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY Detector Systems Eberle Design Incorporated (EDI)	PS24 PS-1.2 MODEL 910 LM301 535B/MS MODEL 913 LM301T
	ICC PGK SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD Detector Systems Eberle Design Incorporated (EDI) Sarasota SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY Detector Systems Eberle Design Incorporated (EDI) Sarasota	PS24 PS-1.2 MODEL 910 LM301 535B/MS MODEL 913 LM301T 535T/MS
	ICC PGK SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD Detector Systems Eberle Design Incorporated (EDI) Sarasota SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY Detector Systems Eberle Design Incorporated (EDI) Sarasota ULTRASONIC DETECTORS	PS24 PS-1.2 MODEL 910 LM301 535B/MS MODEL 913 LM301T 535T/MS

2-CHANNEL CARD RACK COUNTING DETECTORS, SINGLE OUTPUT PULSE MODE (170)	MODEL
Detector Systems	222-GP5
2-CHANNEL CARD RACK COUNTING DETECTORS, SINGLE OUTPUT PULSE MODE (NEMA)	MODEL
Eberle Design Incorporated (EDI)	S27B C
2-CHANNEL CARD RACK DETECTORS, STANDARD (170)	MODEL
Detector Systems	222-GP5
2-CHANNEL CARD RACK DETECTORS, STANDARD (NEMA)	MODEL
Eberle Design Incorporated (EDI)	S27B C
2-CHANNEL CARD RACK DETECTORS, TIME DELAY (170)	MODEL
SarasotaSarasota	
2-CHANNEL CARD RACK DETECTORS, TIME DELAY (NEMA)	MODEL
3M Detector Systems Eberle Design Incorporated (EDI)	262CR

MODEL

SIGNAL HEADS

BACKPLATES

BACKFLATES	MODEL
Neodesia Plastics	BP Series
Pelco	
Traffic Parts	
HARDWARE	
NOTE: Hardware that meets MoDOT specifications from accepted. ALL other manufacturers must provide equipocomplete a satisfactory six-month evaluation as described about	ment that meets specifications and
Pelco	
Reliable 3/8" Strandvise	5202
Reliable ¼" Strandvise	5200
LOUVERS	MODEL
Pelco	GPL
POLYCARBONATE SIDE-MOUNT BRACKETS WITH RELATED HARDWARE	MODEL
Component Products	Any
SIGNAL HEADS - ALUMINUM CONVENTIONAL	MODEL
Automatic/Eagle	SIG Series
	SIG Series MTSA Series
Automatic/Eagle	SIG Series MTSA Series ST Series
Automatic/Eagle McCain Safetrans/IDC	SIG Series MTSA Series ST Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT)	SIG Series MTSA Series ST Series HSS Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN	SIG Series MTSA Series ST Series HSS Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle SIGNAL HEADS - OPTICALLY LIMITED 3M	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle SIGNAL HEADS - OPTICALLY LIMITED 3M	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 SeriesHPTS Series MODEL
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle SIGNAL HEADS - OPTICALLY LIMITED 3M	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 SeriesHPTS SeriesHPTS Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle SIGNAL HEADS - OPTICALLY LIMITED 3M	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 SeriesHPTS SeriesHPTS SeriesHPTS SeriesLT SeriesLT Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle SIGNAL HEADS - OPTICALLY LIMITED 3M	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 SeriesHPTS Series MODELSIG-TPB-305-CTP-EVN-0SA SeriesLT SeriesMTSTP Series
Automatic/Eagle McCain Safetrans/IDC Traffic Control Technologies (TCT) SIGNAL HEADS - ALUMINUM PEDESTRIAN Automatic/Eagle SIGNAL HEADS - OPTICALLY LIMITED 3M	SIG SeriesMTSA SeriesST SeriesHSS Series MODELSIG Series MODELHVS 131 SeriesHPTS Series MODELSIG-TPB-305-CTP-EVN-0SA SeriesLT SeriesMTSTP Series

SIGNAL HEADS - POLY PEDESTRIAN

MODEL

Chapel Hill	SIG-PPB-305-TTP-EVN-0
Eagle	SA Series
McCain	
Traffic Control Technologies (TCT)	

SIGNAL LENSES-GLASS MODEL

Eagle	PBL Series
Kopp	
McCain	

POSTS AND MAST ARMS

Note: Posts and Mast Arms do not require an evaluation period. Posts and Mast Arms shall be fabricated in accordance with MoDOT specifications and standards. Posts and Mast Arms shall be preapproved as required by the MoDOT standards and specifications to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Posts and Mast Arms are subject to field inspection before acceptance.

STEEL POSTS AND MAST ARMS

DRAWING NUMBER

Ameron International	MO9811 - Rev. 9 (Type C)
Ameron International	MO9812 - Rev. 10 (Type CL)
	30443-B202 - Rev. 12 (Types C, CL, B & BL)
Valmont	,

MISCELLANEOUS

MODEL
MODEL
CPI-BAS-1PB5336PB5337PB5340PB5341TP 289 X

SPLICE KITS (DETECTOR LEAD-IN)	MODEL
3M	DBY Series
GNAL BULBS	
LIGHT EMITTING DIODES (LED)	MODEL
Act One Communications, Inc	T1-12G-001 (Green Ball)
Act One Communications, Inc.	
Dialight	,
Dialight	
Dialight	
Dialight	
Dialight	` ,
Dialight	
Dialight	` ,
GELcore/Ecolux	,
GELcore/Ecolux	
Ledtronics	` ,
Precision Solar Controls	
Precision Solar Controls	1877 (Red Ball)
OPTICALLY LIMITED	MODEL
3M	78-8008-7703-3
General Electric (GE)	
Philips	
·	
STANDARD - 1260 LUMEN (8 inch indications)	MODEL
Sylvania	116A21TS8M
STANDARD - 1750 LUMEN (12 inch indications)	MODEL
Philips	K135A21/TS/EW
Sylvania	135A21/TS/8M/SS
H&H Industries	
DEO DETECTION SYSTEMS	
VIDEO DETECTOR	MODEL
Econolite	Autoscope 2004
Econolite	
Iteris Odetics	Vantage One Vantage Plus

TraficonV	ΊP	3	3
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III. HIGHWAY LIGHTING

All highway lighting equipment require a one-year evaluation period except for items noted requiring a six-month evaluation.

LIGHTING POLES

STEEL DOLES

Note: Poles do not require an evaluation period. Poles shall be fabricated in accordance with MoDOT specifications and standards. They shall be pre-approved as required by the MoDOT standards and specifications in order to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Lighting poles are subject to field inspection before acceptance.

DDAWING NUMBER

DRAWING NUMBER

STEEL POLES	DRAWING NUMBER
Ameron International	MO98AT2 – Rev. 4 (Type AT45)
Ameron International	MO98AT3 – Rev. 4 (Type AT45)
Ameron International	MO98AT4 – Rev. 3 (Type AT30)
Ameron International	MO98B2 – Rev. 3 (Type B45 & MB45)
Ameron International	MO98B4 – Rev. 2 (Type B30)
Union Metals	71019-B6 - Rev. 7 (Type AT45)
Union Metals	71019-B7 - Rev .4 (Types B45 & MB45)
Union Metals	71020-B2 - Rev. 5 (Type AT30)
Union Metals	71020-B3 - Rev. 4 (Type B30)
Valmont	DB00019 - Rev. H (Types AT30 & B30)
Valmont	DB00020 – Rev. J (Types AT45 & MB45)

FOUNDATIONS

SCREW ANCHOR FOUNDATIONS

Note: Screw anchor foundations do not require an evaluation period. Screw anchor foundations shall be fabricated in accordance with MoDOT specifications and standards. They shall be pre-approved as required by the MoDOT standards and specifications in order to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Screw anchor foundations are subject to field inspection before acceptance.

J. H. Botts	JHB MOH 30 – Rev. A (Type AT30)
	JHB MOH 45-1 - Rev. A (Type AT45)
	SA112-0695 – Rev. A (Type AT45)
	SA112-0696 – Rev. A (Type AT30)

LUMINAIRES

NOTE: Luminaires will not be furnished with photoelectric cells. Receptacles will have a shorting plug in place of cell. Multi-tap ballast for 120 Volt and 240 Volt fixtures is permissible.

BRACKET ARM MOUNT - 150 WATT	MODEL
American Electric Lighting	Durastar 2000, Series 30
Crouse-Hinds/Cooper	
General Electric (GE)	M2RR Series
Holophane	Mongoose Series
BRACKET ARM MOUNT - 250 WATT	MODEL
American Electric Lighting	114 Series
American Electric Lighting	
Crouse-Hinds/Cooper	
Crouse-Hinds/Cooper	
Holophane	
	-
BRACKET ARM MOUNT - 400 WATT	MODEL
American	126 Series
American Electric Lighting	
Crouse-Hinds/Cooper	
General Electric (GE)	
	Monagoes Sories
Holophane	Mongoose Series
HIGH MAST LIGHTING	MODEL
·	MODEL
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the lower manufacturer's series are considered pre-approved.	MODEL cation. Fixtures from the following
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the lo	MODEL cation. Fixtures from the following HMC Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the lower manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the lower manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL Durastar 2000, Series 30HL2A Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL Durastar 2000, Series 30HL2A Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL Durastar 2000, Series 30HL2A Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL Durastar 2000, Series 30HL2A SeriesMongoose Series MODEL V2FN Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL Durastar 2000, Series 30HL2A SeriesMongoose Series MODEL V2FN SeriesB17632 Series
HIGH MAST LIGHTING NOTE: High mast lighting is custom designed for the low manufacturer's series are considered pre-approved. Cooper	MODEL cation. Fixtures from the following HMC SeriesHMA SeriesHMS Series MODEL Durastar 2000, Series 30HL2A SeriesMongoose Series MODEL V2FN SeriesB17632 SeriesPANL Series

SIGN LIGHTING - 400 WATT	MODEL
Holophane	
UNDERPASS (WALLPACKS)	MODEL
American Electric Lighting Cooper General Electric (GE). Holophane. Holophane. Hubbell	WPK Series WAL Series MDWP Series WL2K Series

CONTROL EQUIPMENT

CONTACTORS-ELECTROMECHANICAL	MODEL
Square D Westinghouse/Cutler-Hammer	Type S A202 Series
CONTACTORS-MERCURY	MODEL

CONTROL CABINETS

NOTE: Cabinets that meet MoDOT specifications from the following manufacturers will be accepted. All other manufacturers must provide a model that meets specifications and complete a satisfactory six-month evaluation as described above to be added to the list.

Cleveland Switchboard Coxline Hoffman Shallbetter Inland Technologies

LIGHTNING ARRESTER	MODEL
Delta General Electric Tranquell Square D	9L15ECB001
MOUNTING SOCKET FOR PHOTOELECTRIC CONTROL	MODEL
NOTE: Mounting sockets require a six-month evaluation.	
AmericanFischer-Pierce	S476-71
General Electric (GE)	MB-PECTL

PAD MOUNTED LIGHTING CONTROL STATION	MODEL
Myers	MELIGI A -M100-MDOT
Pacific Utility Products	
Tesco	
Tesco	
PHOTOELECTRIC CONTROL	MODEL
Area Lighting Research	SST Series
American	8060-4F
Dark To Light	
Fischer-Pierce	7700 Series
General Electric (GE)	PEC1TL (120 v)
General Electric (GE)	PEC3TL (240 v)
ITT	SAT-15
Precision	P26275
TYPE A CIRCUIT BREAKERS	MODEL
Square D	FAL Series
Westinghouse/Cutler-Hammer	
CELLANEOUS	
CELLANEOUS AVIATION LIGHTING	MODEL
	-
AVIATION LIGHTING	-
AVIATION LIGHTING Hughey & Philips	KG114
AVIATION LIGHTING Hughey & Philips FUSED SLIP CONNECTORS	KG114 MODEL
AVIATION LIGHTING Hughey & Philips FUSED SLIP CONNECTORS NOTE: Slip connectors require a six-month evaluation.	KG114 MODEL
AVIATION LIGHTING Hughey & Philips FUSED SLIP CONNECTORS NOTE: Slip connectors require a six-month evaluation. Buss	KG114 MODEL HEB-JWRYC MODEL
AVIATION LIGHTING Hughey & Philips FUSED SLIP CONNECTORS NOTE: Slip connectors require a six-month evaluation. Buss NAVIGATION LIGHTING	KG114 MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp Changer
AVIATION LIGHTING Hughey & Philips FUSED SLIP CONNECTORS NOTE: Slip connectors require a six-month evaluation. Buss NAVIGATION LIGHTING Tideland	KG114 MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp Changer
AVIATION LIGHTING Hughey & Philips FUSED SLIP CONNECTORS NOTE: Slip connectors require a six-month evaluation. Buss NAVIGATION LIGHTING Tideland Automatic Power, Inc.	MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp Changer FA-143 MODEL
AVIATION LIGHTING Hughey & Philips	KG114 MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp ChangerFA-143 MODEL 82A1 (Single)
AVIATION LIGHTING Hughey & Philips	KG114 MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp ChangerFA-143 MODEL 82A1 (Single)82A2 (Single)82B1 (Three Way)
AVIATION LIGHTING Hughey & Philips	KG114 MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp ChangerFA-143 MODEL 82A1 (Single)82A2 (Single)82B1 (Three Way)
AVIATION LIGHTING Hughey & Philips	KG114 MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp ChangerFA-143 MODEL 82A1 (Single)82A2 (Single)82B1 (Three Way)
AVIATION LIGHTING Hughey & Philips	MODEL HEB-JWRYC MODEL ML-140 with TF-3AC Lamp Changer FA-143 MODEL 82A1 (Single) 82A2 (Single) 82B1 (Three Way) 82B2 (Three Way) MODEL

IV. POWER SUPPLY EQUIPMENT AND PULL BOXES

All items require a six-month evaluation period.

MAIN SERVICE DISCONNECT ENCLOSURE WITH SAFETY SWITCH (NEMA 4)	MODEL
General Electric (GE)	TE 100 CS
Square D	
Westinghouse	WFDN 100
PREFORMED PULL BOX-CLASS 1 Straight	MODEL
Armorcast Products Company	
Associated Plastics/New Basis	
Associated Plastics/New Basis	
Strongwell/Quazite	
	PG1730H511 (Lid)
	PG1730BA Series
Synertech	, ,
Planed	S1730HBB0A (Lid)
Flared	ACCOMO (ACTA VOA (Para (A Lid)
Armorcast Products CompanyCDR	A00010401AX24 (B0X & Lla)
CDR	A12-1730 Selles (Box & Liu)
PREFORMED PULL BOX-CLASS 2 Straight	MODEL
Armorcast Products Company	A6001974TAPCX26 (Box & Lid)
Associated Plastics/New Basis	FC2436 Series
Strongwell/Quazite	PG2436B539 (Box)
	PG2436H508 (Lid)
	PG2436BA Series
Synertech	
	S2436HCB0A (Lid)
Flared	
Armorcast Products Company	
CDR	A12-2436 Series (Box & Lid)
PREFORMED PULL BOX-CLASS 3 Straight	MODEL
Straight	
	A6001430TAPX36 (Box & Lid)
Straight Armorcast Products Company	A6001430TAPX36 (Box & Lid) FC3048 Series
Straight Armorcast Products Company Associated Plastics/New Basis	A6001430TAPX36 (Box & Lid) FC3048 Series
Straight Armorcast Products Company Associated Plastics/New Basis	A6001430TAPX36 (Box & Lid) FC3048 Series PG3048B560 (Box)
Straight Armorcast Products Company Associated Plastics/New Basis	A6001430TAPX36 (Box & Lid) FC3048 Series PG3048B560 (Box) PG3048H517 (Lid) PG3048BA Series
Straight Armorcast Products Company Associated Plastics/New Basis Strongwell/Quazite	A6001430TAPX36 (Box & Lid) FC3048 Series PG3048B560 (Box) PG3048H517 (Lid) PG3048BA Series
Straight Armorcast Products Company Associated Plastics/New Basis Strongwell/Quazite	A6001430TAPX36 (Box & Lid)FC3048 SeriesPG3048B560 (Box) PG3048H517 (Lid) PG3048BA SeriesS3048B36AA (Box)
Straight Armorcast Products Company Associated Plastics/New Basis Strongwell/Quazite Synertech	A6001430TAPX36 (Box & Lid)FC3048 SeriesPG3048B560 (Box) PG3048H517 (Lid) PG3048BA SeriesS3048B36AA (Box) S3048HCB0A (Lid)

PREFORMED PULL BOX-CLASS 5	MODEL
Flared	
Armorcast Products Company	A6000177TAPCX48 (Box)
Armorcast Products Company	A6000178TAPCX48 (Box)
CDR	SA12-3200-36 (Box & Lid